**Solve each system by using the best method (choose wisely!)**

1. y= -2x +1 2) x+2y= 10

2x+y= -3 2x +4y =20

3) 2x-5y =10 4) y= 3x+4

3x+5y= 15 y= x+4

**Name which method you would use to solve the system. Explain why**

8) y= 4x-8 y= 2x+10 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9) y= 3 2x+y = -15 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

10) 3x-6y = 30 6x+y = 34 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Explain the different types of solutions for a system of equations using ALL methods**

11. No Solution 12. Infinite Solutions 13. One solution